FOCUSED SITE INSPECTION PRIORITIZATION
SITE EVALUATION REPORT

PRIOR LANDFILL
RURAL ROUTE 5
CENTRALIA, ILLINOIS

CERCLIS ID NO.: ILD980989206

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
SITE ASSESSMENT SECTION
77 West Jackson Boulevard
Chicago, Illinois 60604

Date Prepared:	September 19, 1995
U.S. EPA Region:	5
Contract No.:	68-W0-0037
Technical Direction Document No.:	T05-9503-219
Prepared by:	Ecology and Environment, Inc. Linda Knorz
E & E Program Leader:	Steven Skare
Telephone No.:	(312) 663-9415

ecology and environment, inc.
111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415
International Specialists in the Environment

0934

LIST OF FIGURES

1. INTRODUCTION

The Ecology and Environment, Inc. (E & E), Technical Assistance Team (TAT) was assigned by the United States Environmental Protection Agency (U.S. EPA), under Contract No. 68-W0-0037, Technical Direction Document (TDD) No. T05-9503-219, to evaluate the Prior Landfill site in Centralia, Marion County, Illinois. E & E performed Focused Site Inspection Prioritization (FSIP) activities to determine whether, or to what extent, the site poses a threat to human health and the environment, and has prepared this FSIP report. The report presents the results of E & E's evaluation and summarizes the site conditions and targets pertinent to the migration and exposure pathways associated with the site. Background information was obtained from the Illinois Environmental Protection Agency (IEPA) Preliminary Assessment (PA) report, a Site Screening Inspection (SSI) report also conducted by the IEPA, personal communications with various state and local agencies, and U.S. EPA site files.

This report is organized into six sections, including this introduction. Section 2 describes the site and provides a brief site history. Section 3 provides information about previous investigations conducted at the site. Section 4 provides information about the four migration and exposure pathways (groundwater migration, surface water migration, soil exposure, and air migration). Section 5 is a summary of the FSIP. References used in the preparation of this report are listed in Section 6.

2. SITE DESCRIPTION AND HISTORY

The Prior Landfill (Prior) site is located at Rural Route 5, in Centralia, Marion County, Illinois (sec. 32, T. 1 N., R. 1 E.). The coordinates of the site are latitude 38°28'39" North and longitude 89°06'00" West (IEPA 1985a). The site is a 29-acre landfill that has been inactive since 1987, but has not been certified closed. Two adjacent landfills referred to as Prior-Blackwell and Centralia Environmental Services, Inc. (CESI) are owned by the same owner as the Prior site; however, these landfills are operated under separate permits and IEPA identification numbers. The focus of this FSIP report is on the Prior Landfill, also referred to by the IEPA as Prior #1, 2, 3 & 4 (IEPA ID No. 1218020006). In addition, another landfill referred to the Old City Dump is located approximately 150 feet north of the site. The exact size and years of operation of this dump are unknown.

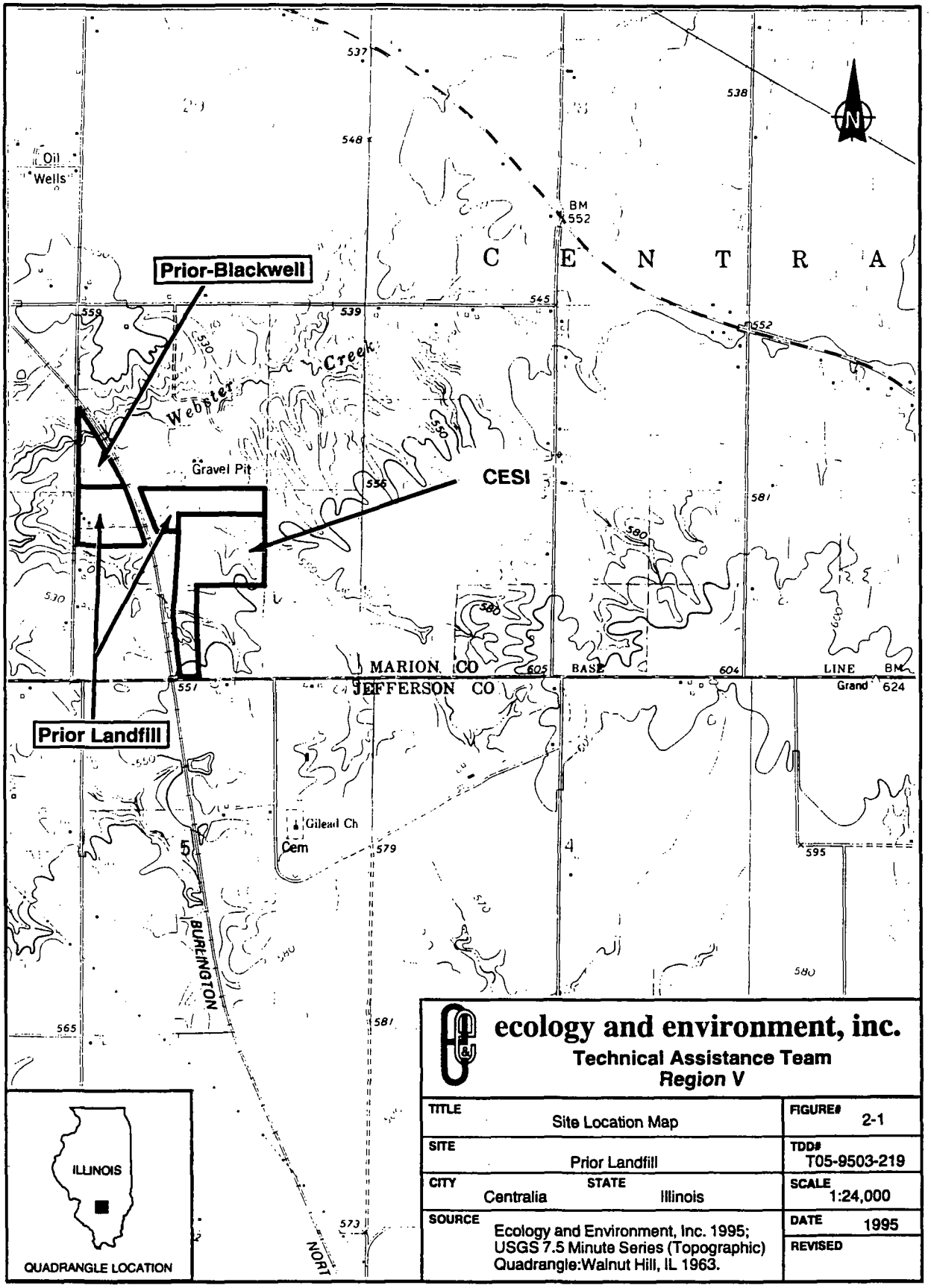
The land use surrounding the site is predominantly rural and sparsely populated. Railroad tracks divides the site into two portions with the landfill located on the east and west sides. The nearest residential area is 0.25 mile north of the site and the population within one mile of the site is approximately 277 persons based on straight-line distances (IEPA 1985b). The site location is shown on Figure 2-1.

The site is situated on approximately 29 acres with two intermittent streams; one stream flows in a south to north direction on the portion of the landfill east of the railroad tracks and the second stream is located on the southern border of the portion of the landfill west of the railroad tracks. The second stream probably was re-routed to the south when the landfill operations began. Site features are shown in Figure 2-2. Webster Creek, the nearest surface water body, at its nearest point to the site, is located approximately 25 feet north of the site. The site is reported to have locked gates at access roads only. There is evidence of trespass, including dirt bike trails on the slopes of the landfill (IEPA 1995).

In 1975, an IEPA permit (permit No. 1975-37-OP) was issued to Mr. John Prior to operate a solid waste disposal site consisting of 29 acres. The permit identifies the following areas and acreage: Area #1 with 6 acres east of railroads tracks; Area #2 with 8 acres west of railroad tracks; Area #3 with 7 acres west of railroad tracks; and Area #4 with 8 acres east of railroad tracks. Besides general refuse, permitted special wastes, including sewage and industrial sludges, asbestos containing material, used paint and ink, and soil mixed with diesel fuel, were accepted at the landfill from 1975 to 1987. Groundwater leachate systems or liners have not been installed at the site. It is reported that the Prior site has five on-site monitoring wells, however, during the most recent sampling event at the site conducted by the IEPA in June 1994, only two were located and sampled. In 1980, Mr. Prior installed the three on-site monitoring wells, but no records are available at this time. In 1988, Holcomb Foundation Engineering Company installed two monitoring wells, G117 and G118 at the Prior site.

The site ceased operations in the late 1980s, however, due to various permit violations, the site has not been certified closed by IEPA. Violations include steep slopes on the west and south sides of the landfill, subsided cover, and ravines with leachate flowing in an on-site intermittent stream towards Webster Creek north of the site. In addition, the owner has not provided adequate groundwater sampling and reporting to the IEPA (IEPA 1995).

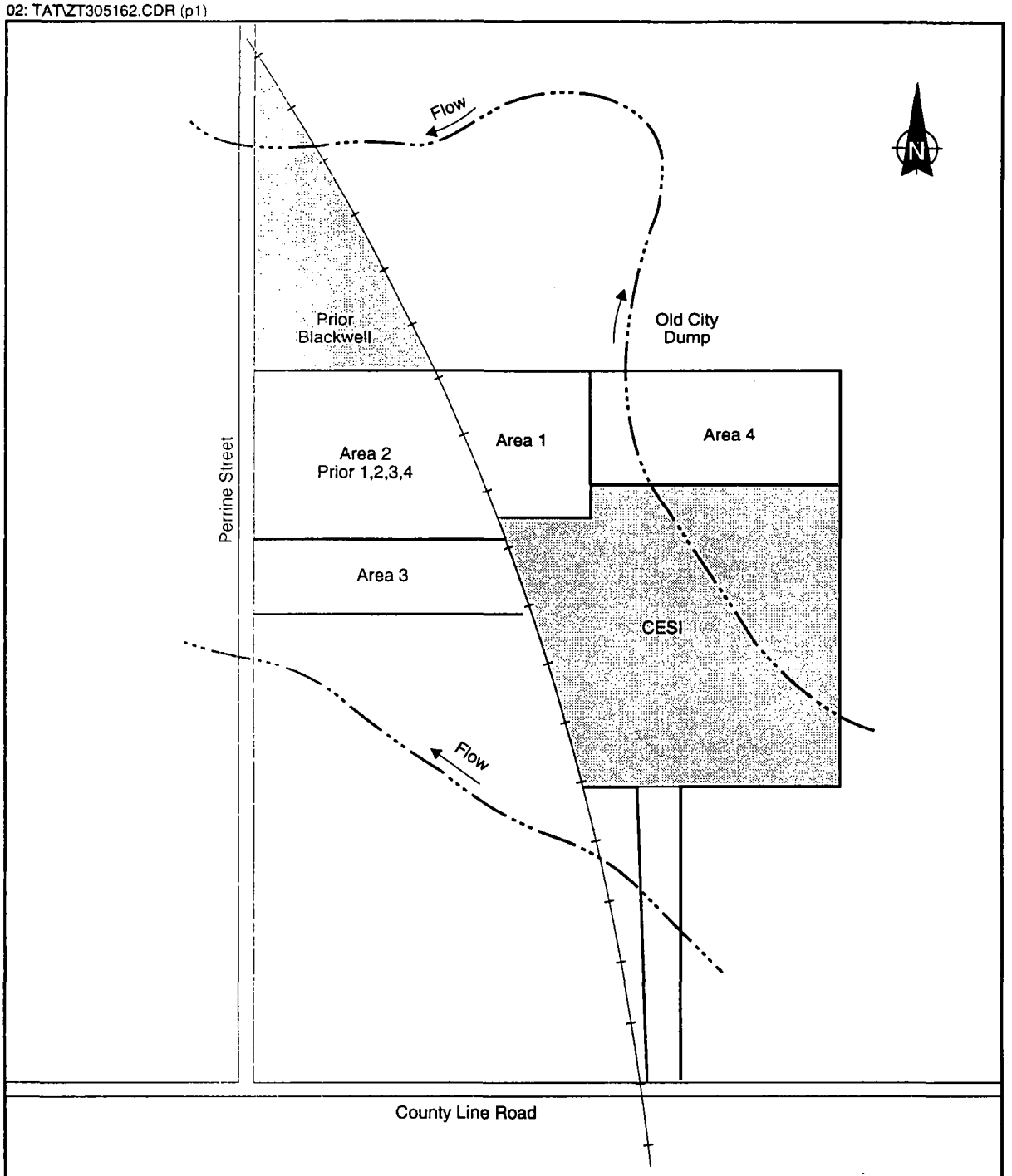
The Prior site was an operating landfill from 1975 to 1987. During this time the Prior site had neither a Resource Conservation and Recovery Act (RCRA) permit nor a National Pollutant Discharge Elimination System (NPDES) permit.



ecology and environment, inc.
Technical Assistance Team
Region V

TITLE	Site Location Map	FIGURE#	2-1
SITE	Prior Landfill	TDD#	T05-9503-219
CITY	Centralia	STATE Illinois	SCALE 1:24,000
SOURCE	Ecology and Environment, Inc. 1995; USGS 7.5 Minute Series (Topographic) Quadrangle:Walnut Hill, IL 1963.	DATE	1995
		REVISED	

02: TAT\ZT305162.CDR (p1)



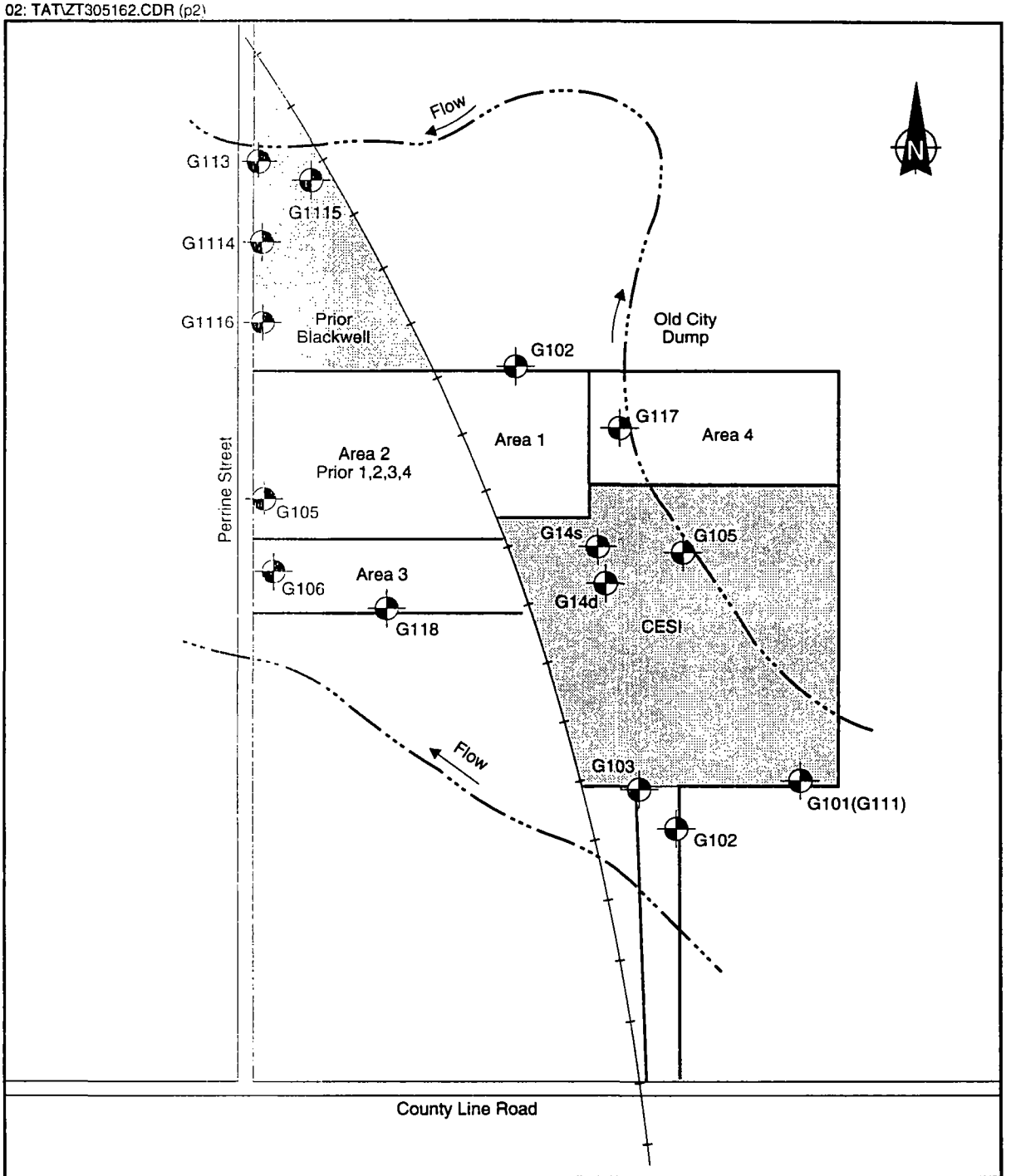
LEGEND:

- Stream
- Railroad
- Adjacent Landfills not included in report

ecology and environment, inc.
Technical Assistance Team
Region V

TITLE	Site Features Map		FIGURE# 2-2
SITE	Prior Landfill		TDD# T05-9503-219
CITY	Centralia	STATE Illinois	SCALE Not to Scale
SOURCE	Ecology and Environment, Inc		DATE 1994
			REVISED 1995

02: TAT\ZT305162.CDR (p2)



LEGEND:

- Monitoring Well Location
- Stream
- Railroad
- Adjacent Landfills not included in report

ecology and environment, inc.
Technical Assistance Team
Region V

TITLE	Sample Location Map	FIGURE#	2-3
SITE	Prior Landfill	TDD#	T05-9503-219
CITY	Centralia	STATE Illinois	SCALE Not to Scale
SOURCE	Ecology and Environment, Inc	DATE	1994
		REVISED	1995

3. PREVIOUS INVESTIGATIONS

In the early 1980s, numerous citizens complaints were filed against the Prior Landfill regarding blowing litter, late night dumping, and trucks carrying mud and debris off site. As a result of the citizen unrest, the IEPA conducted a PA at the Prior site in April 1985. The site was assigned a high priority because of the citizen complaints (IEPA 1985a).

In July 1985, the IEPA conducted an SSI in which sampling was performed on groundwater. The IEPA also monitored the ambient air with an Organic Vapor Analyzer (OVA) and a Trace Gas Analyzer (TGA). No volatile or airborne contaminants were detected in the air samples. The IEPA collected groundwater samples from three on-site monitoring wells. The samples were analyzed for Target Analyte List (TAL) inorganics only. The sample results indicated no contamination of the groundwater or the ambient air (IEPA 1985b).

In 1987, the Prior site stopped accepting wastes. IEPA site inspections conducted from 1987 through 1994 indicate the site was in violation of permit requirements, including inadequate sampling records, steep slopes on the western and southern sides of the landfill, ravines with leachate seeps, and subsided cover (IEPA 1995).

From June 28 through July 1, 1994, the IEPA collected groundwater samples from two of the five monitoring wells located at the Prior site as part of a groundwater investigation. The other three wells could not be located. Analytical results indicated chloride was detected at 248 milligrams per liter (mg/L), manganese at 299 micrograms per liter (ug/L), and sulfate at 1,310 mg/L in monitoring well G106. In monitoring well G118 manganese was detected at 780 ug/L and sulfate at 1,480 mg/L. These concentrations of

manganese, chloride, and sulfate exceeded Title 35 Illinois Administrative Code (IAC) 620 Groundwater Standards (IEPA 1995).

4. MIGRATION AND EXPOSURE PATHWAYS

This section describes the four migration and exposure pathways associated with the Prior site. Section 4.1 discusses the groundwater migration pathway; Section 4.2 discusses the surface water migration pathway; Section 4.3 discusses the soil exposure pathway; and Section 4.4 discusses the air migration pathway.

4.1 GROUNDWATER MIGRATION PATHWAY

This section discusses regional and site-specific geology and soils, groundwater releases, and targets associated with the groundwater migration pathway at the site.

4.1.1 Geology and Soils

The general geology of the area consists of approximately 20 feet of glacial drift. The glacial drift consists primarily of non-water yielding pebbly clay (glacial till). The glacial drift extends to bedrock of Pennsylvanian Age which consists primarily of shale, sandstone, and coal (Illinois State Geological Survey, ISGS 1973). Groundwater flow is northwest toward Webster Creek. In 1973, ISGS reported no record of any drinking water wells in the vicinity of the site, and that nearby residents hauled water from Centralia (ISGS 1973).

In 1988, Holcomb Foundation Engineering Company was hired by Mr. Prior, and installed two monitoring wells at the Prior landfill site (G117 and G118).

The residents of Centralia and surrounding communities obtain drinking water from the Raccoon Lake Reservoir, located approximately 2 miles northeast of the site. Based on information from the Centralia Public Works Department no residents obtain drinking water from private wells within 4 miles of the site (Sanders 1995).

4.1.2 Groundwater Releases

A release of hazardous substances from the Prior site to groundwater is likely based on sampling results from on-site monitoring wells. In June 1994, the IEPA collected two groundwater monitoring well samples, G106 and G118, as part of a site inspection. Three other on-site monitoring wells could not be found during this investigation, and therefore could not be sampled. The analytical results of the groundwater samples indicated that chloride, manganese, and sulfate exceeded Title 35 IAC 620 groundwater standards. No engineered systems for groundwater containment (e.g. liner, leachate collection system) exist at the site.

4.1.3 Targets

The 40,000 persons from Centralia and surrounding communities obtain drinking water from the Raccoon Lake Reservoir, located approximately 2 miles northeast of the site. No known well users are located within a 4-mile radius of the site (Sanders 1995).

4.2 SURFACE WATER MIGRATION PATHWAY

The potential exists that a release to surface water has occurred based on past and present IEPA observations of leachate seeps flowing in a southern on-site intermittent stream towards Webster Creek, located approximately 25 feet north of the site (IEPA 1995).

Two intermittent streams are located on the Prior site. One stream located on the landfill portion east of the railroad tracks flows through the Prior site in a northwesterly direction towards Webster Creek. The second stream is located on the southern border of the landfill west of the railroad tracks. Wetlands are located adjacent to the landfill west of the railroad tracks on the southern border of the site. In addition, the soils along the banks of Webster Creek are favorable to plaustrine forested wetlands, located 25 feet north of the site (USDI 1987). The creek is used recreationally, and provides habitat for fishes and other aquatic organisms (IEPA 1985). The site is located inside the 500-year floodplain of Webster Creek (USDI 1987). Based on surface topography, surface water runoff from the site is expected to flow towards the on-site intermittent streams and towards Webster Creek. No engineered controls for surface water exist at the site. No surface water samples have been collected from Webster Creek in previous IEPA investigations. No drinking water intakes are

known to exist along Webster Creek. Raccon Lake is not located downstream of the site, and therefore, it is not expected to be affected by the site.

4.3 SOIL EXPOSURE PATHWAY

A release of hazardous substances from the Prior site to surrounding soils is possible based on previous site operations. Citizen complaints filed in the early 1980s regarding blowing litter and trucks carrying mud and debris off-site suggest that wastes could have been spread to the surrounding soils. On-site soils consist of glacial till. No soil samples have been collected from the site during previous IEPA investigations. It is reported that bike trails on the steep slopes of the landfill indicate trespass has occurred (Letski 1995). The site is not fully fenced, and only access roads on the west and north sides have locked gates (IEPA 1995). Access to the site is not restricted. The nearest residence is located 0.25 mile north of the site. Approximately 227 persons live within 1 mile of the site, based on straight-line distances. No schools are located within 200 feet of the site (IEPA 1985). It is unknown how many workers were employed at the site during the time of operation.

4.4 AIR MIGRATION PATHWAY

A release of hazardous substances to air has not been documented based on ambient air sample results taken during the SSI. The area surrounding the site is rural and sparsely populated, and approximately 277 persons are located within one mile of the site based on straight-line distance (IEPA 1985). No engineered controls for the prevention of a release to the air exist (i.e., gas collection systems).

5. SUMMARY

E & E has evaluated the Prior site using the existing IEPA and U.S. EPA files, various state information services, and personal communications. The Prior site has been an inactive landfill since 1987, but has not been certified closed (IEPA 1995). The Prior site operated from 1975 to 1987 as a special waste landfill. Two adjacent landfills, Prior-Blackwell and CESI, are operated by the same owner as the Prior site. In addition, an inactive landfill referred to as the Old City Dump is located just north of the site property. The surrounding area is rural and sparsely populated.

In April 1985, the IEPA conducted a PA due to citizen complaints regarding blowing, litter and late night dumping. In July 1985, the IEPA conducted an SSI. On-site air and groundwater samples were collected. No contamination was detected in either the air or the groundwater samples. IEPA site inspections in the early 1990s reported that the site was in violation of its operating permit which included, steep slopes, ravines with leachate seeps flowing, and subsided cover. In addition, the site owner did not submit quarterly monitoring well sample records to the IEPA.

The residents from the city of Centralia and surrounding communities receive their drinking water from Raccoon Lake Reservoir, located 2 miles northeast of the site. This reservoir is located upgradient of the site. The geology of the area consists of 20 feet of glacial drift.

A release of substances to an on site intermittent stream has been observed. The stream flows into Webster Creek, located approximately 25 feet north of the site. No engineered surface water containment systems exist at the site.

The Prior site is not fenced, and locked gates exist at the access roads only. Bike trails are evident on the slopes of the landfill, indicating trespassing has occurred. The nearest residence is located 0.25 miles north of the site. No schools or daycare facilities are located within 200 feet of the site. Wetlands are located adjacent ot he southern border of the landfill area west of the railroad tracks and along Webster Creek, located approximately 25 feet north of the landfill area east of the railroad tracks.

A release of hazardous substances to air is unlikely based on air samples collected during the 1985 IEPA SSI. No air violations or citizen complaints regarding odors have been reported. It is unknown how many workers were employed at the site during the 12 years of operation.

6. REFERENCES

Note: References not included in Appendix B: documents that are currently available within U.S. EPA files; copyright documents that are currently availabe in E & E's library, maps produced by either the United States Geological Survey or the Illinois State Geological Survey; and documents that are created by the various state agencis for public use.

Illinois Environmental Protection Agency, (IEPA) April 14, 1995, Groundwater Inspection Report of Three Prior Landfill Sites, Centralia Illinois.

_____, July 24, 1985b, Site Inspection Report of Prior Landfill, Centralia Illinois.

_____, April 18, 1985a, Preliminary Assessment of Prior Landfill, Centralia Illinois.

Illinois State Geological Survey, (ISGS) June 5, 1973, Hydrogeologic Information for Centralia/Municipal Solid Waste Site, Urbana, Illinois.

Illinois Institute of Natural Resources, State Geological Survey Division. (IINR), February 20, 1981, Hydrogeologic Evaluation of Prior Landfill, Champaign, Illinois.

Letski, Connie, August 18, 1995, personal communication with Linda Knorz, E & E Chicago, Illinois.

Sanders, Jerry, August 18, 1995, Centralia Public Works, Facility Operator, personal communication with Linda Knorz, E & E Chicago, Illinois.

USDI, National Wetland Inventory Map, 1987, Walnut Hill Quadrangle, Washington, D.C.

USGS, 1963, Walnut Hill Topographic Map, 7.5 Minute Series, Reston, Virginia.

APPENDIX A

1994 IEPA GROUNDWATER DATA

1218[illegible] – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY INORGANIC ANALYTICAL RESULTS COLLECTED BY THE IEPA

Inorganic Parameter	35 IAC 620 GW Standards		Monitor Point No. G106 PRIOR 1&2		Monitor Point No. G113 PRIOR-BLACKWELL		Monitor Point No. G115 PRIOR-BLACKWELL		Monitor Point No. G116 PRIOR-BLACKWELL	
			Sample Type GW		Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/30/94		Sampling Date 06/29/94		Sampling Date 06/28/94	
	CLASS I	CLASS II								
620 INORGANICS	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Arsenic - UG/L	50	200	12	9.2			<	<	68.7	71.3
Barium - UG/L	2000	2000	37	17			53	26	87	50
Boron - UG/L	2000	2000	430				67		590	
Cadmium - UG/L	5	50	<	<			<	<	<	<
Chloride - MG/L	200	200	248	251			57.7	58.2	630	617
Chromium - UG/L	100	1000	<	<			<	<	6	<
Cobalt - UG/L	1000	1000		<				10		11
Copper - UG/L	650	650	<	<			<	<	5	<
Cyanide - MG/L or UG/L	0.2 or 200	0.6 or 600	<				<		<	
Fluoride - MG/L	4	4	0.23				0.11		0.22	
Iron - UG/L	5000	5000	4280	<			3540	345	15000	5410
Lead - UG/L	7.5	100	<	<			<	<	<	<
Manganese - UG/L	150	10000	299	148			4300	4410	3500	3130
Mercury - UG/L	2	10	<	<			<	<	<	<
Nickel - UG/L	100	2000	20	23			34	27	135	103
Nitrate as N - MG/L	10	100	0.06				0.03			
PH - lab	6.5-9.0	6.5-9.0	7.3				6.7			
PH - field	6.5-9.0	6.5-9.0	6.9		6.16		6.06		6.73	6.73
Selenium - UG/L	50	50	<	<			<	<	<	<
Silver - UG/L	50	-	4	<			<	4	<	<
Sulfate - MG/L	400	400	1310	1300			320	300	380	360
TDS (ROE) - MG/L	1200	1200								
Zinc - UG/L	5000	10000	<	<			<	<	<	<
OTHER INORGANICS	No 620 Standards									
Alkalinity as CaCO3 - MG/L			628	628			365	362	653	653
Aluminum										
Ammonia as N - MG/L			3.6	3.3			0.07	0.9	0.07	0.08
Antimony, UG/L				10						<
BOD, 5-day			33				<		7	
Beryllium - UG/L				<				<		<
Calcium - MG/L				169				132		152
Magnesium, UG/L				226000				60900		183000
NH3 + NH4 as N - MG/L										

1218020006 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY INORGANIC ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Inorganic Parameter	35 IAC 620 GW Standards		Monitor Point No. G106 PRIOR 1&2		Monitor Point No. G113 PRIOR-BLACKWELL		Monitor Point No. G115 PRIOR-BLACKWELL		Monitor Point No. G116 PRIOR-BLACKWELL	
			Sample Type GW		Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/30/94		Sampling Date 06/29/94		Sampling Date 06/28/94	
	CLASS I	CLASS II								
NO2 & NH4 as N - MG/L										
Phosphorous (P) - MG/L				0.1				0.02		0.04
Potassium, UG/L				9980				716		960
Sodium - MG/L				430				67.5		372
Strontium - UG/L										
Sulfide - MG/L			<	<			<	<		<
Thallium - UG/L				<				<		<
Vanadium - UG/L				7				<		<
FIELD MEASUREMENTS										
Millivolts										
Spec. Conductance - field							52			30
Spec. Conductance - lab			30				14			
Water Temp, deg C			16.1		17.2		15.5			20.7
Water Temp, deg F										
WELLHEAD INFO SAMPLE INFO										
%O2										
CO										
Depth to water from Measure Point										
Elevation of measureing pt.										
Groundwater Elev.										
H2S										
PID: headspace										
Passport: headspace										
OTHER REPORT REQ'S										
Bottom of well elev.										
Depth to water below LS										
Well depth below LS										

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded Number = Exceeds GW Standard

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY INORGANIC ANALYTICAL RESULTS COLLECTED BY THE IEPA

Inorganic Parameter	35 IAC 620 GW Standards		Monitor Point No. G118 PRIOR 1&2		Monitor Point No. G14D CESLF		Monitor Point No. G14S CESLF	
			Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/29/94		Sampling Date 06/29/94	
	CLASS I	CLASS II						
620 INORGANICS	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Arsenic - UG/L	50	200	<	<	44.6	40.2	21.5	
Barium - UG/L	2000	2000	15	6	250	225	260	10
Boron - UG/L	2000	2000	50		76		<	
Cadmium - UG/L	5	50	<	<	<	<	<	<
Chloride - MG/L	200	200	91.8	82.2	**486**	**493**	**899**	**882**
Chromium - UG/L	100	1000	<	<	<	<	67	<
Cobalt - UG/L	1000	1000		<		5		<
Copper - UG/L	650	650	<	<	<	5	37	<
Cyanide - MG/L or UG/L	0.2 or 200	0.6 or 600	<		<		<	
Fluoride - MG/L	4	4	0.16		0.17		0.17	
Iron - UG/L	5000	5000	1350	<	**7310**	**5960**	**60300**	216
Lead - UG/L	7.5	100	<	<	<	<	<	<
Manganese - UG/L	150	10000	**780**	30	**750**	**676**	**1770**	**1340**
Mercury - UG/L	2	10	<	<	<	<	<	<
Nickel - UG/L	100	2000	<	<		<	72	23
Nitrate as N - MG/L	10	100	0.34		0.05		0.03	
PH - lab	6.5-9.0	6.5-9.0	7.1		7.3		7.1	
PH - field	6.5-9.0	6.5-9.0	7.50	7.5	6.91		6.59	
Selenium - UG/L	50	50	<	<	<	<	<	<
Silver - UG/L	50	-	<			<	3	6
Sulfate - MG/L	400	400	**1480**	**1380**	91	87	**2800**	**2700**
TDS (ROE) - MG/L	1200	1200		<				
Zinc - UG/L	5000	10000	<		<	<	140	<
OTHER INORGANICS	No 620 Standards							
Alkalinity as CaCO3 - MG/L			571	567	461	464	589	602
Aluminum								
Ammonia as N - MG/L			<	0.03	1.1	1.1	0.05	0.03
Antimony, UG/L				1.2		<		<
BOD, 5-day			1		7		<	
Beryllium - UG/L				<		<		<
Calcium - MG/L				240		125		588
Magnesium, UG/L				194000		50500		334000
NH3 + NH4 as N - MG/L								

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY INORGANIC ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Inorganic Parameter	35 IAC 620 GW Standards		Monitor Point No. G118 PRIOR 1&2		Monitor Point No. G14D CESLF		Monitor Point No. G14S CESLF	
			Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/29/94		Sampling Date 06/29/94	
	CLASS I	CLASS II						
NO2 & NH4 as N - MG/L								
Phosphorous (P) - MG/L				0.01		0.05		0.03
Potassium, UG/L				1910		3420		2650
Sodium - MG/L				246		264		453
Strontium - UG/L								
Sulfide - MG/L				<	<	<	<	<
Thallium - UG/L				<		<		
Vanadium - UG/L				<		<		<
FIELD MEASUREMENTS								
Millivolts								
Spec. Conductance - field				1	33.3		22	
Spec. Conductance - lab					23		51	
Water Temp, deg C				27.5	33.3		18.1	
Water Temp, deg F								
WELLHEAD INFO SAMPLE INFO								
%O2								
CO								
Depth to water from Measure Point								
Elevation of measureing pt.								
Groundwater Elev.								
H2S								
PID: headspace								
Passport: headspace								
OTHER REPORT REQ'S								
Bottom of well elev.								
Depth to water below LS								
Well depth below LS								

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded Number = Exceeds GW Standard

121[illegible] - Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ORGANIC ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Organic Parameter (ug/l)	35 IAC 620 GW Standards		Monitor Point No. G106 PRIOR 1&2		Monitor Point No. G113 PRIOR-BLACKWELL		Monitor Point No. G115 PRIOR-BLACKWELL		Monitor Point No. G116 PRIOR-BLACKWELL	
			Sample Type GW		Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/30/94		Sampling Date 06/29/94		Sampling Date 06/28/94	
	CLASS I	CLASS II								
	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
620 VOLATILES										
1,1,1-Trichloroethane	200	1000	<				<		<	
1,1-Dichloroethylene	7	35	<		<		<		<	
1,2-Dichloroethane*	5	25	<		<		<		<	
1,2-Dichloropropane*	5	25	<		<		<		<	
BTEX - 1	11705	13525								
Benzene*	5	25	<		<		<		<	
Carbon Tetrachloride*	5	25	<		<		<			
Cis-1,2-Dichloroethylene	70	200	<		<		<		<	
Ethylbenzene	700	1000	<		<		<		<	
Monochlorobenzene	100	500							<	
Styrene	100	500	<		<		<		<	
Tetrachloroethylene*	5	25	<		<		<		<	
Toluene	1000	2500	<		<		<		<	
Trans-1,2-Dichloroethylene	100	500	<		<		<		<	
Trichloroethylene*	5	25	<		<		<		<	
Vinyl Chloride*	2	10	<		<		<		<	
Xylene	10000	10000	<				<		<	
620 SEMIVOLATILES										
1,2-Dichlorobenzene (ortho)	600	1500	<				<		<	
1,4-Dichlorobenzene (para)	75	375	<				<		<	
PCBs*	5	2.5							<	
Pentachlorophenol*	1	5	<				<		<	
Phenol (Misc.) ~			13							
Phenols	100	100	<				<		<	
620 PESTICIDES										
2,4,5-TP (Silvex)	50	250								
2,4-D	70	350								
Alachlor*	2	10								
Aldicarb	3	15							<	
Atrazine	3	15								
Carbofuran	40	200								
Chlordane*	2	10							<	
Endrin	2	10	<				<			

12180200. - Prior Blackwell
1218020006 -- Prior 1 &2
1214220003 -- Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ORGANIC ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Organic Parameter (ug/l)	35 IAC 620 GW Standards		Monitor Point No. G106 PRIOR 1&2		Monitor Point No. G113 PRIOR-BLACKWELL		Monitor Point No. G115 PRIOR-BLACKWELL		Monitor Point No. G116 PRIOR-BLACKWELL	
			Sample Type GW		Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/30/94		Sampling Date 06/29/94		Sampling Date 06/28/94	
	CLASS I	CLASS II								
	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Heptachlor Epoxide*	0.2	1	<				<		<	
Heptachlor*	0.4	2	<				<		<	
Lindane	0.2	1	<				<		<	
Methoxyclor	40	200	<				<		<	
Toxaphene*	3	15								

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded Number = Exceeds GW Standard or Detected

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ORGANIC ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Organic Parameter (ug/l)	35 IAC 620 GW Standards		Monitor Point No. G118 PRIOR 1&2		Monitor Point No. G14D CESLF		Monitor Point No. G14S CESLF	
			Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/29/94		Sampling Date 06/29/94	
	CLASS I	CLASS II						
	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
620 VOLATILES								
1,1,1-Trichloroethane	200	1000	<		<		<	
1,1-Dichloroethylene	7	35	<		<		<	
1,2-Dichloroethane*	5	25	<		<		<	
1,2-Dichloropropane*	5	25	<		<		<	
BTEX - 1	11705	13525						
Benzene*	5	25	<		<		<	
Carbon Tetrachloride*	5	25						
Cis-1,2-Dichloroethylene	70	200	<		<		<	
Ethylbenzene	700	1000	<		<		<	
Monochlorobenzene	100	500	<		<		<	
Styrene	100	500	<		<		<	
Tetrachloroethylene*	5	25	<		<		<	
Toluene	1000	2500	<		<		<	
Trans-1,2-Dichloroethylene	100	500	<		<		<	
Trichloroethylene*	5	25	<		<		<	
Vinyl Chloride*	2	10	<		<		<	
Xylene	10000	10000	<		<		<	
620 SEMIVOLATILES								
1,2-Dichlorobenzene (ortho)	600	1500	<		<		<	
1,4-Dichlorobenzene (para)	75	375	<		<		<	
PCBs*	5	2.5	<		<		<	
Pentachlorophenol*	1	5	<		<		<	
Phenol (Misc.) ~					18			
Phenols	100	100	<		<		<	
620 PESTICIDES								
2,4,5-TP (Silvex)	50	250						
2,4-D	70	350						
Alachlor*	2	10						
Aldicarb	3	15	<		<		<	
Atrazine	3	15						
Carbofuran	40	200	<		<		<	
Chlordane*	2	10	<		<		<	
Endrin	2	10						

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ORGANIC ANALYTICAL RESULTS COLLECTED BY THE IEPA

Organic Parameter (ug/l)	35 IAC 620 GW Standards		Monitor Point No. G118 PRIOR 1&2		Monitor Point No. G14D CESLF		Monitor Point No. G14S CESLF	
			Sample Type GW		Sample Type GW		Sample Type GW	
	Unfiltered (Totals)		Sampling Date 06/28/94		Sampling Date 06/29/94		Sampling Date 06/29/94	
	CLASS I	CLASS II						
	GW>10'		TOTAL	DISSOLVED	TOTAL	DISSOLVED	TOTAL	DISSOLVED
Heptachlor Epoxide*	0.2	1	<		<		<	
Heptachlor*	0.4	2	<		<		<	
Lindane	0.2	1	<		<		<	
Methoxyclor	40	200	<		<		<	
Toxaphene*	3	15						

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded Number = Exceeds GW Standard or Detected

1218[illegible]0002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. G106 PRIOR 1&2	Monitor Point No. G113 PRIOR-BLACKWELL	Monitor Point No. G115 PRIOR-BLACKWELL	Monitor Point No. G116 PRIOR-BLACKWELL
			Sample Type GW	Sample Type GW	Sample Type GW	Sample Type GW
			Sampling Date 06/28/94	Sampling Date 06/30/94	Sampling Date 06/29/94	Sampling Date 06/28/94
VOLATILES						
1,1,1-Trichloroethane	5		<	<	<	<
1,1,2,2-Tetrachloroethane	5		<	<	<	<
1,1,2-Trichloroethane	5		<	<	<	<
1,1-Dichloroethane	5		<	<	<	<
1,1-Dichloroethene	5					
1,2,3-Trichloropropane	5					
1,2-Dichloroethane	5					
2-Butanone (mek)	10		<	<	<	<
2-Chloroethylvinyl Ether	10		<	<	<	<
2-Hexanone (mbk)	10		<	<	<	<
4-Methyl-2-Pentanone (mibk)	10		<	<	<	<
Acetone	10		<		<	<
Acrolein	100					
Acrylonitrile	100					
Benzene	5		<	<	<	<
Bromocloromethane			<	<	<	
Bromodichloromethane	5					<
Bromoform	5		<	<	<	<
Bromomethane	5		<	<	<	<
Carbon Disulfide	5		<	<	48	7
Carbon Tetrachloride	5		<	<		
Chlorobenzene	5		<	<	<	<
Chlorodibromomethane	5		<	<	<	
Chloroethane	10			<		10
Chloroform	5		<	<	<	<
Chloromethane	10		<	<	<	<
Cis-1,3-Dichloropropene	5		<	<	<	<
Dibromomethane	5					<
Dichlorobromomethane			<	<	<	
Dichlorodifluoromethane	5					<
Ethyl Methacrylate	5					<
Ethylbenzene	5		<		<	<
Iodomethane	5					<
Methylene Chloride	5		<	<	<	
Styrene	10		<	<	<	<

12180200[illegible] - Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. G106 PRIOR 1&2 Sample Type GW Sampling Date 06/28/94	Monitor Point No. G113 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/30/94	Monitor Point No. G115 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/29/94	Monitor Point No. G116 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/28/94
Tetrachloroethylene	5		<	<	<	<
Toluene	5		<	<	<	
Total Organic Carbon			10.4		7.6	52.6
Total Organic Halogens						
Trans-1,2-Dichloroethene	5					<
Trans-1,3-Dichloropropene	5		<	<	<	
Trichloroethene	5					<
Trichlorofluoromethane	5		<	<	<	<
Vinyl Acetate	10		<	<	<	<
Vinyl Chloride	2		<	<	<	<
Xylene (total)	5		<		<	
OTHER VOLATILES ORGANICS						
Aldrin			<		<	
Alpha-Chlordane			<		<	<
Dieldrin			<		<	<
Gamma-Chlordane			<		<	<
O,P' - DDD			<		<	<
O,P' - DDE			<		<	<
O,P' - DDT			<		<	<
P,P' - DDD			<		<	<
P,P' - DDE			<		<	<
P,P' - DDT			<		<	
SEMI-VOLATILE ORGANICS						
1,2,4-Trichlorobenzene			<		<	<
1,2-Dichlorobenzene			<		<	<
1,3-Dichlorobenzene			<		<	<
1,4-Dichlorobenzene						
2,4,5-Trichlorophenol			<		<	<
2,4,6-Trichlorophenol			<		<	<
2,4-Dichlorophenol			<		<	<
2,4-Dimethylphenol			<		<	<
2,4-Dinitrophenol			<		<	<
2,4-Dinitrotoluene			<		<	<
2,6-Dinitrotoluene			<		<	<
2-Chloronapthalene			<		<	<
2-Chl[illegible]phenol			<		<	

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. G106 PRIOR 1&2 Sample Type GW Sampling Date 06/28/94	Monitor Point No. G113 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/30/94	Monitor Point No. G115 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/29/94	Monitor Point No. G116 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/28/94
2-Methylnaphthalene			<		<	<
2-Methylphenol			<		<	<
2-Nitroaniline			<		<	<
2-Nitrophenol			<		<	<
3,3'-Dichlorobenzidine			<		<	<
3-Nitroaniline			<		<	<
4,6-Dinitro-2-methylphenol			<		<	<
4-Bromophenyl phenyl ether			<		<	<
4-Chloro-3-Methylphenol			<		<	<
4-Chloroaniline			<		<	<
4-Chlorophenyl phenyl ether			<		<	<
4-Methylphenol			<		<	<
4-Nitroaniline			<		<	<
4-Nitrophenol			<		<	<
Acenaphthene			<		<	<
Acenaphthylene			<		<	<
Anthracene			<		<	
Benzo(a)anthracene			<		<	
Benzo(a)pyrene						
Benzo(b)fluoranthene						<
Benzo(ghi)Perylene			<		<	
Benzo(k)fluoranthene						<
Benzoic Acid			<		<	<
Benzyl Alcohol			<		<	
Bis(2-chloroethoxy)methane			<		<	<
Bis(2-chloroethyl)ether			<		<	<
Bis(2-chloroisopropyl) ether			<		<	
Bis(2-ethylhexyl)phthalate			160		<	16
Butyl benzyl phthalate			<		<	
Chrysene			<		<	<
Di-N-Butyl Phthalate			<		<	<
Di-N-Octyl Phthalate			<		<	<
Dibenz(a,h)anthracene			<		<	<
Dibenzofuran			<		<	
Diethylphthalate			<		<	<
Dimethylphthalate			<		<	<

12180200\ - Prior Blackwell
1218020006 -- Prior 1 &2
1214220003 -- Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. G106 PRIOR 1&2 Sample Type GW Sampling Date 06/28/94	Monitor Point No. G113 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/30/94	Monitor Point No. G115 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/29/94	Monitor Point No. G116 PRIOR-BLACKWELL Sample Type GW Sampling Date 06/28/94
Fluoranthene			<		<	<
Fluorene			<		<	<
Hexachlorobenzene			<		<	<
Hexachlorobutadiene			<		<	<
Hexachlorocyclopentadiene			<		<	<
Hexachloroethane			<		<	<
Indeno(1,2,3-cd)pyrene			<		<	
Isophorone			<		<	<
N-Nitroso-Di-N-Propylamine			<		<	<
Naphthalene			<		<	<
Nitrobenzene			<		<	<
Phenanthrene			<		<	<
Pyrene			<		<	<
APPROXIMATE QUANTITATIONS						
2,2'-Azobis(2-Methyl) # ~						40
2-Bromo Cyclohexanol # ~					<	<
Acetone ~			< //	64	<	
Alachlor ~						
Aliphatic Acid ~						5.4
Aliphatic Acid Esters ~						
Aliphatic Alcohol ~						
Aliphatic Hydrocarbons ~						<
Aliphatic Ketones ~						8.5
Atrazine ~						
Benzamide ~						
Benzamide, N,N-Dimethyl-3-Methyl # ~						<
Bicyclo (3-1-1) Hept -2- EnE 2,6,6-Trimeth						<
Ethyl Ether ~						19
N,N-Diethyl-3-Methyl # ~						20
Other Organics ~			33		180	630
Propanenitrile ~						

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded ber = Exceeds GW Standard or Detected

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. G118 PRIOR 1&2 Sample Type GW Sampling Date 06/28/94	Monitor Point No. G14D CESLF Sample Type GW Sampling Date 06/29/94	Monitor Point No. G14S CESLF Sample Type GW Sampling Date 06/29/94
VOLATILES					
1,1,1-Trichloroethane	5		<	<	<
1,1,2,2-Tetrachloroethane	5		<	<	<
1,1,2-Trichloroethane	5		<	<	<
1,1-Dichloroethane	5		<	<	<
1,1-Dichloroethene	5				
1,2,3-Trichloropropane	5				
1,2-Dichloroethane	5				
2-Butanone (mek)	10		<	<	<
2-Chloroethylvinyl Ether	10		<	<	<
2-Hexanone (mbk)	10		<	<	<
4-Methyl-2-Pentanone (mibk)	10		<	<	<
Acetone	10		<	<	<
Acrolein	100				
Acrylonitrile	100				
Benzene	5		<	<	<
Bromocloromethane					
Bromodichloromethane	5		<	<	<
Bromoform	5		<	<	<
Bromomethane	5		<	<	<
Carbon Disulfide	5		5.5	<	<
Carbon Tetrachloride	5		<	<	<
Chlorobenzene	5		<	<	<
Chlorodibromomethane	5				
Chloroethane	10		<	<	<
Chloroform	5		<	<	<
Chloromethane	10		<	<	<
Cis-1,3-Dichloropropene	5		<	<	<
Dibromomethane	5		<	<	<
Dichlorobromomethane					
Dichlorodifluoromethane	5		<	<	<
Ethyl Methacrylate	5		<	<	<
Ethylbenzene	5		<	<	<
Iodomethane	5		<	<	<
Methylene Chloride	5				
Styrene	10		<	<	<

1218020002 -- Prior Blackwell
1218020006 -- Prior 1 &2
1214220003 -- Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. *G118* PRIOR 1&2	Monitor Point No. *G14D* CESLF	Monitor Point No. *G14S* CESLF
			Sample Type *GW*	Sample Type *GW*	Sample Type *GW*
			Sampling Date *06/28/94*	Sampling Date *06/29/94*	Sampling Date *06/29/94*
Tetrachloroethylene	5		<	<	<
Toluene	5				
Total Organic Carbon				*6.2*	*5.3*
Total Organic Halogens					
Trans-1,2-Dichloroethene	5		<	<	<
Trans-1,3-Dichloropropene	5				
Trichloroethene	5		<	<	<
Trichlorofluoromethane	5		<	<	<
Vinyl Acetate	10		<	<	<
Vinyl Chloride	2		<	<	<
Xylene (total)	5				
OTHER VOLATILES ORGANICS					
Aldrin					
Alpha-Chlordane			<	<	<
Dieldrin			<	<	<
Gamma-Chlordane			<	<	<
O,P' - DDD			<	<	<
O,P' - DDE			<	<	<
O,P' - DDT			<	<	<
P,P' - DDD			<	<	<
P,P' - DDE			<	<	<
P,P' - DDT					
SEMI-VOLATILE ORGANICS					
1,2,4-Trichlorobenzene			<	<	<
1,2-Dichlorobenzene			<	<	<
1,3-Dichlorobenzene			<	<	<
1,4-Dichlorobenzene					
2,4,5-Trichlorophenol			<	<	<
2,4,6-Trichlorophenol			<	<	<
2,4-Dichlorophenol			<	<	<
2,4-Dimethylphenol			<	<	<
2,4-Dinitrophenol			<	<	<
2,4-Dinitrotoluene			<	<	<
2,6-Dinitrotoluene			<	<	<
2-Chloronapthalene			<	<	<
2-Chlorophenol			<	<	<

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. *G118* PRIOR 1&2	Monitor Point No. *G14D* CESLF	Monitor Point No. *G14S* CESLF
			Sample Type *GW*	Sample Type *GW*	Sample Type *GW*
			Sampling Date *06/28/94*	Sampling Date *06/29/94*	Sampling Date *06/29/94*
2-Methylnaphthalene			<	<	<
2-Methylphenol			<	<	<
2-Nitroaniline			<	<	<
2-Nitrophenol			<	<	<
3,3'-Dichlorobenzidine			<	<	<
3-Nitroaniline			<	<	<
4,6-Dinitro-2-methylphenol			<	<	<
4-Bromophenyl phenyl ether			<	<	<
4-Chloro-3-Methylphenol			<	<	<
4-Chloroaniline			<	<	<
4-Chlorophenyl phenyl ether			<	<	<
4-Methylphenol			<	<	<
4-Nitroaniline			<	<	<
4-Nitrophenol			<	<	<
Acenaphthene			<	<	<
Acenaphthylene			<	<	<
Anthracene					
Benzo(a)anthracene					
Benzo(a)pyrene					
Benzo(b)fluoranthene			<	<	<
Benzo(ghi)Perylene					
Benzo(k)fluoranthene			<	<	<
Benzoic Acid			<	<	<
Benzyl Alcohol					
Bis(2-chloroethoxy)methane			<	<	<
Bis(2-chloroethyl)ether			<	<	<
Bis(2-chloroisopropyl) ether			<	<	<
Bis(2-ethylhexyl)phthalate			<	<	<
Butyl benzyl phthalate					
Chrysene			<	<	<
Di-N-Butyl Phthalate			<	<	<
Di-N-Octyl Phthalate			<	<	<
Dibenz(a,h)anthracene			<	<	<
Dibenzofuran					
Diethylphthalate			<	<	<
Dimethylphthalate			<	<	<

1218020002 – Prior Blackwell
1218020006 – Prior 1 &2
1214220003 – Centralia Environmental Services
Groundwater/Analytical File

SUMMARY ANALYTICAL RESULTS
COLLECTED BY THE IEPA

Volatile Organic Parameter (ug/l)	Permit PQL (ug/l)	Cleanup Objective or Applicable Standard	Monitor Point No. *G118* PRIOR 1&2	Monitor Point No. *G14D* CESLF	Monitor Point No. *G14S* CESLF
			Sample Type *GW*	Sample Type *GW*	Sample Type *GW*
			Sampling Date *06/28/94*	Sampling Date *06/29/94*	Sampling Date *06/29/94*
Fluoranthene			<	<	<
Fluorene			<	<	<
Hexachlorobenzene			<	<	<
Hexachlorobutadiene			<	<	<
Hexachlorocyclopentadiene			<	<	<
Hexachloroethane			<	<	<
Indeno(1,2,3-cd)pyrene					
Isophorone			<	<	<
N-Nitroso-Di-N-Propylamine			<	<	<
Naphthalene			<	<	<
Nitrobenzene			<	<	<
Phenanthrene			<	<	<
Pyrene			<	<	<
APPROXIMATE QUANTITATIONS					
2,2'-Azobis(2-Methyl) # ~					
2-Bromo Cyclohexanol # ~			<	<	<
Acetone ~					
Alachlor ~					
Aliphatic Acid ~				13	
Aliphatic Acid Esters ~					
Aliphatic Alcohol ~					
Aliphatic Hydrocarbons ~			<	<	<
Aliphatic Ketones ~			8.5		
Atrazine ~					
Benzamide ~					
Benzamide, N,N-Dimethyl-3-Methyl # ~			<	<	<
Bicyclo (3-1-1) Hept -2- EnE 2,6,6-Trimeth			<	<	<
Ethyl Ether ~					
N,N-Diethyl-3-Methyl # ~					
Other Organics ~			69	120	150
Propanenitrile ~					

Note: All 620 groundwater standards are based on total analyses.
MG/L values for groundwater standards listed in 35 IAC 620 were converted to
< = Not Detected
Bolded Number = Exceeds GW Standard or Detected

APPENDIX B

REFERENCE DOCUMENTATION

ecology and environment, inc.
CHICAGO, ILLINOIS

TELEPHONE LOG

REFERENCE

CONTACT	COMPANY or AGENCY	POSITION
Connie Letski	IEPA - Collinsville	

CONTACT ADDRESS	CONTACT PHONE NUMBER
Collinsville Regional Office	(618) 346-5120

E&E EMPLOYEE	DATE	TIME
Linda Koerg	8/18/95	3:30

PROJECT NUMBER	SITE NAME and LOCATION
2T3051	Prior Landfill, Centralia, IL

DISCUSSION

The site is not entirely fenced, locked gates exist at access roads only on the north side at the entrance from Perrine Rd - (this is the Prior - Blackwell site) on the west and south sides. There is evidence of trespass - bike trails are evident on the steep slopes of the landfill.

There is a intermittent stream flowing in a westerly direction at the site.

Ms. Letski will fax a topo showing the exact boundaries of the different landfills. The exact location of the Old City Dump north of the site is not known. Also, there are no residences using groundwater as drinking water near the site.

SIGNATURE Linda Koerg

PAGE 1 OF 1

ecology and environment, inc.
CHICAGO, ILLINOIS

TELEPHONE LOG

REFERENCE

CONTACT	COMPANY or AGENCY	POSITION
Jerry Sanders	Centralia Public Works	Facility Operator

CONTACT ADDRESS

CONTACT PHONE NUMBER: (618) 533-7681

E&E EMPLOYEE	DATE	TIME
Linda Kroz	8/18/95	11:00

PROJECT NUMBER	SITE NAME and LOCATION
2T3251	Prior Landfill, Centralia, IL

DISCUSSION

the residents from the City of Centralia obtain drinking water from a municipal system that draws water from Racoon Lake Reservoir. The water intakes are located at the west end of the Lake. The Lake was built (dug) in 1942, it is 900 acres. Currently it serves 40,000 persons. The watershed it located at South East side Mr. Sanders is not aware of any residents using groundwater for drinking water. The site is located 2 miles S.W of Racoon Lake.

Webster Creek flows S.W.

SIGNATURE: Linda Kroz

PAGE 1 OF 1

ecology and environment, inc.
CHICAGO, ILLINOIS

TELEPHONE LOG

REFERENCE

CONTACT	COMPANY or AGENCY	POSITION
Connie Letski	IEPA - Collinsville	Site Mgr.

CONTACT ADDRESS	CONTACT PHONE NUMBER
	(618) 346-5120

E&E EMPLOYEE	DATE	TIME
Linda Kranz	7/28/95	4:10

PROJECT NUMBER	SITE NAME and LOCATION
ZT2051	Prior Landfill Centralia, IL

DISCUSSION

Ms. Letski is the Prior Landfill site manager - the prior landfill is no longer accepting wastes - it is under enforcement, there are groundwater violations in effect.

Ms. Letski could not give me detailed information - not know who of was - she will need to ask her manager - Keep Missing - what she can divulge. I will call Sonia Vega to let her know about the activity at the site.

The landfill is located in a rural area - no residences close-by; water is supplied by the Raccoon Lake Reservoir - (no groundwater used.) There is a creek near by - Ms Letski stated Leachate is seeping out of the landfill - Special waste and liquid waste (ms Letski could no state what) was accepted in the Landfill

SIGNATURE

Linda M Kranz

PAGE 1 OF 1